

RECEIVED  
APR 21 2003  
TECHNOLOGY CENTER 2800



FEBRUARY 27, 2003

PTAS

Chief Information Officer  
Washington, DC 20231  
www.uspto.gov

SUGHRUE MION, PLLC  
J. FRANK OSHA  
2100 PENNSYLVANIA AVENUE, N.W.  
SUITE 800  
WASHINGTON, DC 20037-3213



\*102271457A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 08/20/2002✓

REEL/FRAME: 013444/0649

NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

MARUMOTO, TSUNEHISA✓

DOC DATE: 08/15/2002✓

ASSIGNEE:

NEC CORPORATION✓  
7-1, SHIBA 5-CHOME  
MINATO-KU  
TOKYO, JAPAN

SERIAL NUMBER: 10089602✓

PATENT NUMBER:

FILING DATE: 08/28/2002

ISSUE DATE: 20

SHARON LATIMER, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

11-05-2002

Rec'd PCPTO 20 AUG 2002

10/089602

Q69350

Form PTO-1595 (modified)  
(Rev. 03/01)  
OMB No. 0651-0027



102271457

COVER SHEET

U.S. DEPARTMENT OF COMMERCE  
U.S. Patent and Trademark Office

PATENTS ONLY

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

## 1. Name of conveying party(ies):

Tsunehisa MARUMOTO

## 2. Name and address of receiving party(ies):

NEC CORPORATION  
7-1, Shiba 5-chome  
Minato-ku, Tokyo, Japan

08/20/02

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

## 3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

Execution Date: August 15, 2002

Additional name(s) & address(es) attached? ☐ Yes ☒ No

## 4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)  
10/089,602

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

SUGHRUE MION, PLLC  
2100 Pennsylvania Avenue, N.W.  
Suite 800  
Washington, D.C. 20037-3213

## 6. Total number of applications and patents involved:

1

## 7. Total fee (37 CFR 3.41): \$40.00

- ☒ Enclosed.  
☐ Authorized to be charged to Deposit Account No. 19-4880.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account.

## 8. Deposit Account Number:

19-4880

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

## 9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

J. Frank Osha

J. Frank Osha

Reg. No. 24,625

August 20, 2002

Date

Total number of pages including cover sheet, attachments, and documents: 2

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents &amp; Trademarks

Box Assignment

Washington, D.C. 20231

**Assignment**Whereas, I/~~we~~,**TSUNEHISA MARUMOTO of Tokyo, Japan**

hereinafter called assignor(s), have invented certain improvements in

**PHASE SHIFTER CAPABLE OF MINIATURIZING AND  
METHOD OF MANUFACTURING THE SAME**for which a PCT International Application was filed on September 28, 2000 and  
which was given a PCT Application No. PCT/JP00/06708and executed an application for Letters Patent of the United States of America therefor on  
August 15, 2002 ; and

Whereas,

**NEC Corporation,  
7-1, Shiba 5-chome, Minato-ku, Tokyo, Japan, and**(assignee(s)), desires to acquire the entire right, title, and interest in the application and invention, and to  
any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

~~I/we~~, the above-named assignor(s), hereby sell, assign and transfer to the above named assignee, its  
successors and assigns, the entire right, title and interest in the application and the invention disclosed  
therein for the United States of America, including the right to claim priority under 35 U. S. C. § 119, and  
~~I/we~~ request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth  
in the application to the assignee, its successors and assigns; and ~~I/we~~ will execute without further  
consideration all papers deemed necessary by the assignee in connection with the United States  
application when called upon to do so by the assignee.

I/~~we~~ hereby authorize and request my attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania  
Avenue, N.W., Washington, D.C. 20037-3213 to insert here in parentheses (Application  
number \_\_\_\_\_, filed \_\_\_\_\_) the filing date and application  
number of said application when known.

Date: August 15, 2002

Tsunehisa Marumoto   
TSUNEHISA MARUMOTO

Witness:

Kidemi. Saito